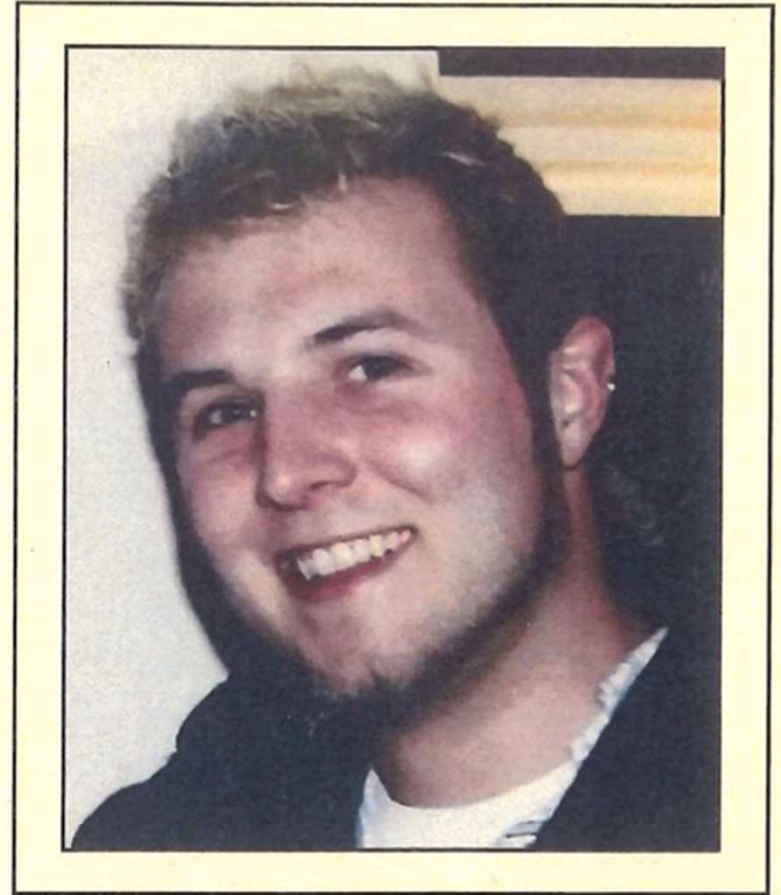




Combating Drug Crisis

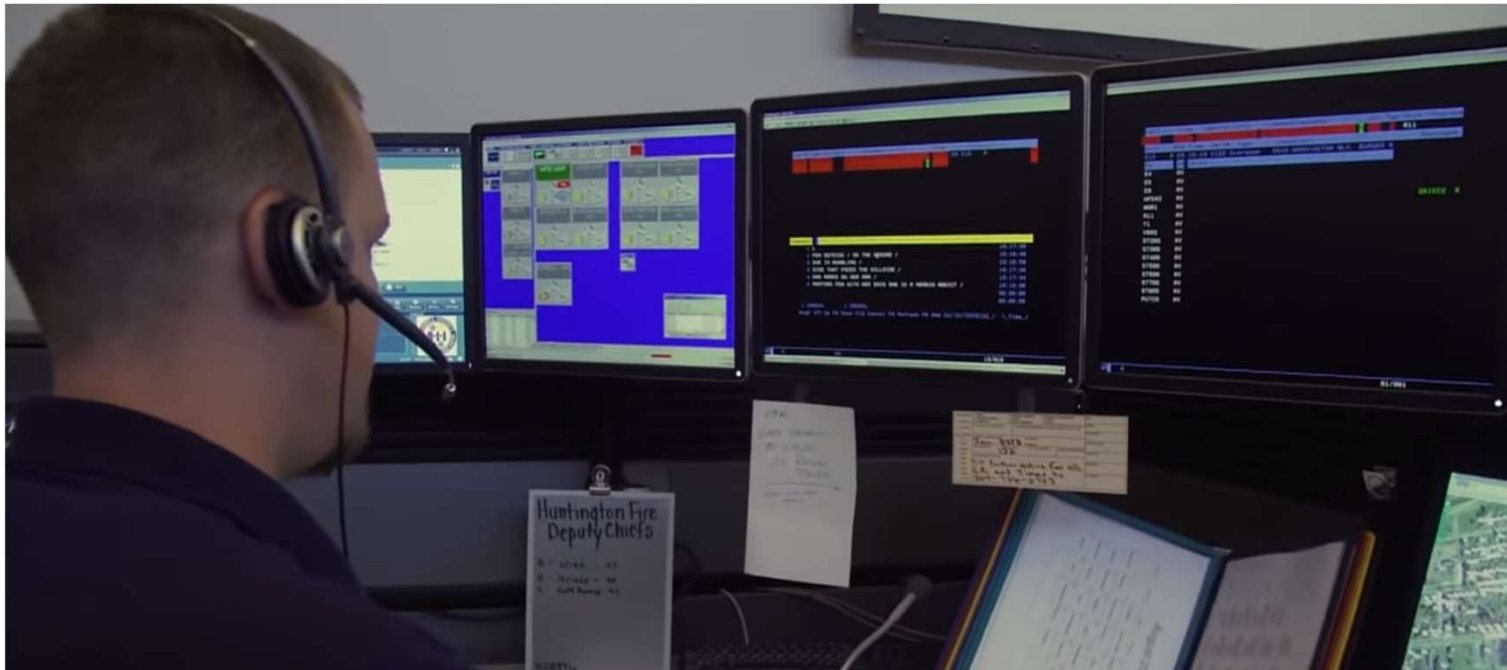
The Battle of One

A Mother's Story:
*Losing a Child
to Addiction*



Garret James Bethke
July 13, 1986 - October 28, 2014

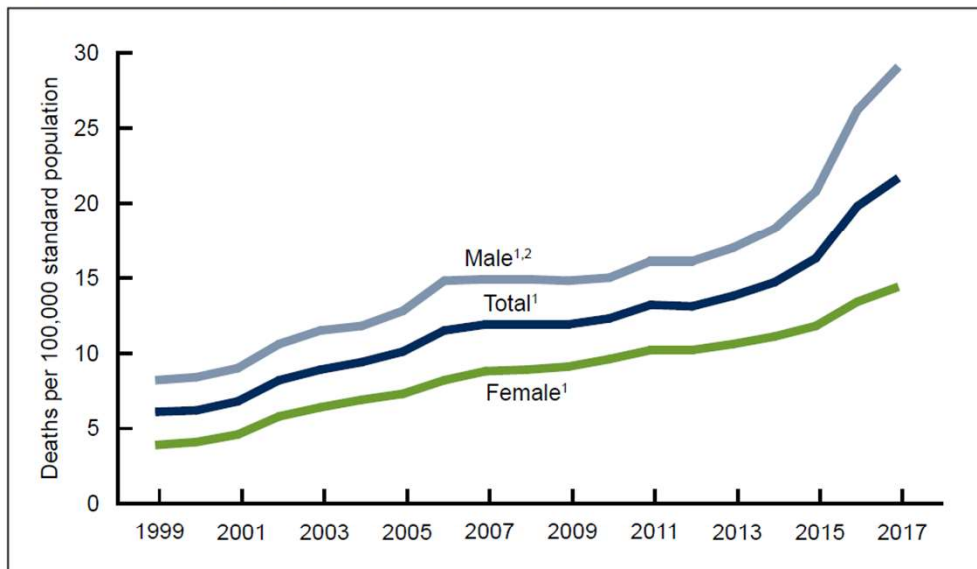




A Local Emergency Call Center

Drug Overdose Death Rates, by Gender

Figure 1. Age-adjusted drug overdose death rates: United States, 1999–2017



¹Significant increasing trend from 1999 through 2017 with different rates of change over time, $p < 0.05$.

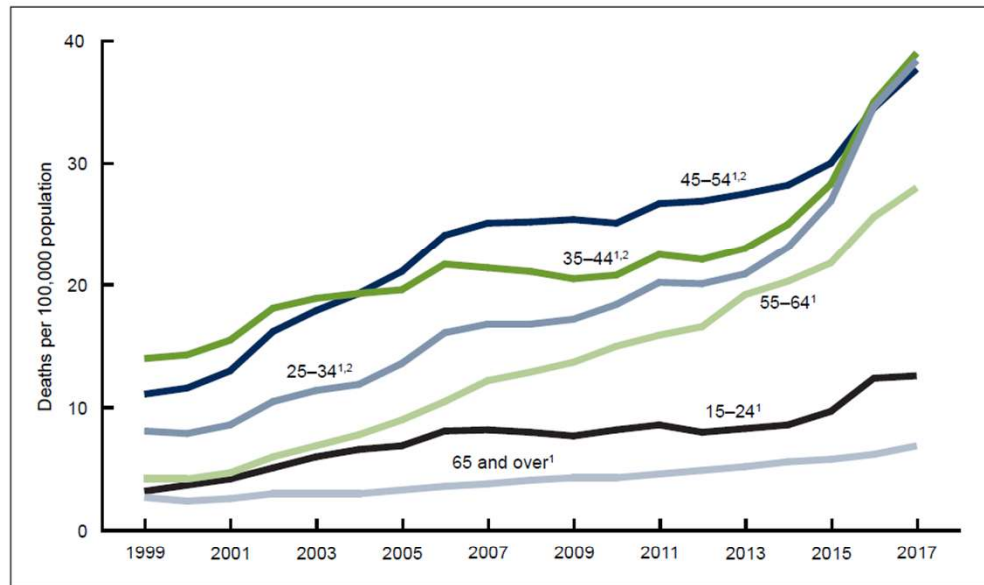
²Male rates were significantly higher than female rates for all years, $p < 0.05$.

NOTES: Deaths are classified using the *International Classification of Diseases, 10th Revision*. Drug-poisoning (overdose) deaths are identified using underlying cause-of-death codes X40–X44, X60–X64, X85, and Y10–Y14. The number of drug overdose deaths in 2017 was 70,237. Access data table for Figure 1 at: https://www.cdc.gov/nchs/data/databriefs/db329_tables-508.pdf#1. SOURCE: NCHS, National Vital Statistics System, Mortality.



Drug Overdose Death Rates, by Selected Age Group

Figure 2. Drug overdose death rates, by selected age group: United States, 1999–2017



¹Significant increasing trend from 1999 through 2017 with different rates of change over time, $p < 0.005$.

²2017 rates were significantly higher for age groups 25–34, 35–44, and 45–54 than for age groups 15–24, 55–64, and 65 and over, $p < 0.05$. The rate for age group 35–44 was significantly higher than the rate for age group 45–54 and statistically the same as the rate for age group 25–34.

NOTES: Deaths are classified using the *International Classification of Diseases, 10th Revision*. Drug-poisoning (overdose) deaths are identified using underlying cause-of-death codes X40–X44, X60–X64, X85, and Y10–Y14. Access data table for Figure 2 at:

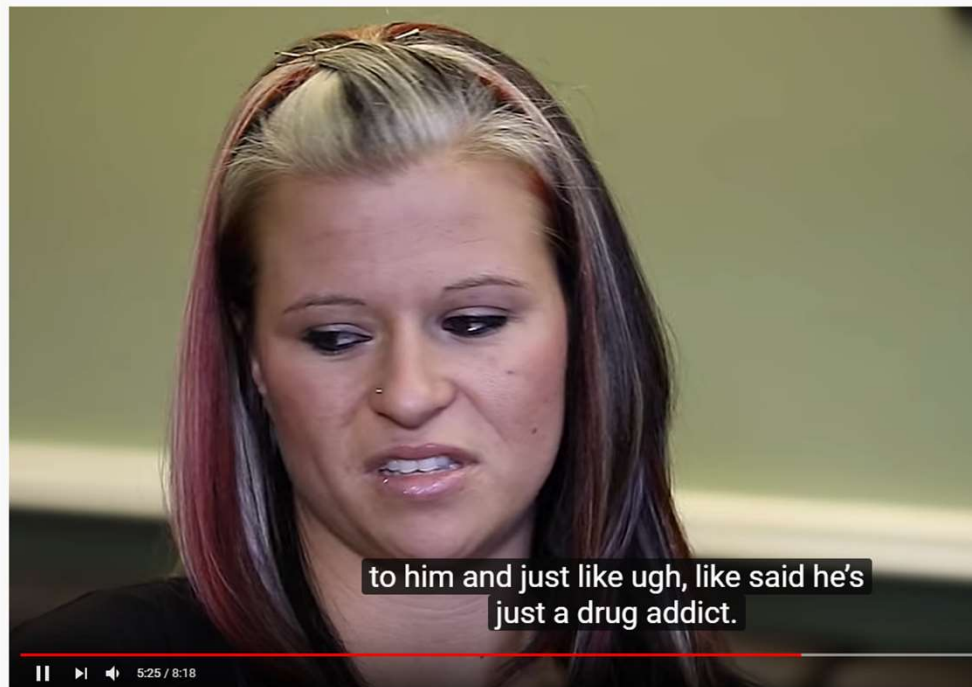
https://www.cdc.gov/nchs/data/databriefs/db329_tables-508.pdf#2

SOURCE: NCHS, National Vital Statistics System, Mortality.





Randi's Story: Seek Help & Overcome Social Stigma



Innocent victims: 32,000 Babies in 2014

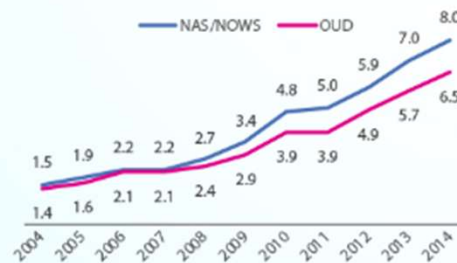


Opioid use during pregnancy can result in a drug withdrawal syndrome in newborns called **neonatal abstinence syndrome**, or **neonatal opioid withdrawal syndrome** (NAS/NOWS), which causes **costly** hospital stays. A recent analysis showed that an estimated **32,000** babies were born with this syndrome in the United States in 2014, a more than **5-fold increase** since 2004.

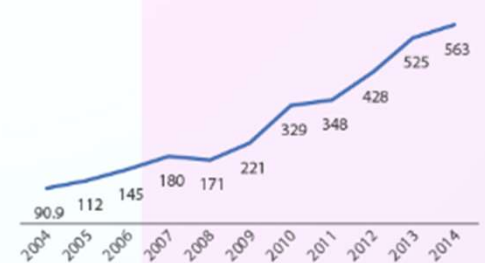


**EVERY ~ 15 MINUTES,
A BABY IS BORN SUFFERING
FROM OPIOID WITHDRAWAL.**

**NAS/NOWS and Maternal
Opioid Use Disorder on the Rise**
Rates per 1,000 Hospital Births



**Growing Hospital Costs for
Treatment of NAS/NOWS**
Inflation-Adjusted U.S. Dollars (millions)



Honein et al. Pediatrics 2019, Winkelman et al. Pediatrics 2018, Haight et al. MMWR 2018.

Battle of One Nation



U.S. Department of Health and Human Services

<https://www.hhs.gov/opioids/>

HHS 5-POINT STRATEGY TO COMBAT THE OPIOIDS CRISIS



Better addiction prevention, treatment, and recovery services



Better data



Better pain management



Better targeting of overdose reversing drugs



Better research



Better Prevention, Treatment and Recovery Services

🔄 dpt2.samhsa.gov/treatment/ ☆



**Medication-Assisted Treatment
for Substance Use Disorders**



Division of
Pharmacologic
Therapies

[Back to MAT home](#) •

Opioid Treatment Program Directory

Select to view the opioid treatment programs in a State

All ▼

Opioid treatment programs in All [Download Excel](#)

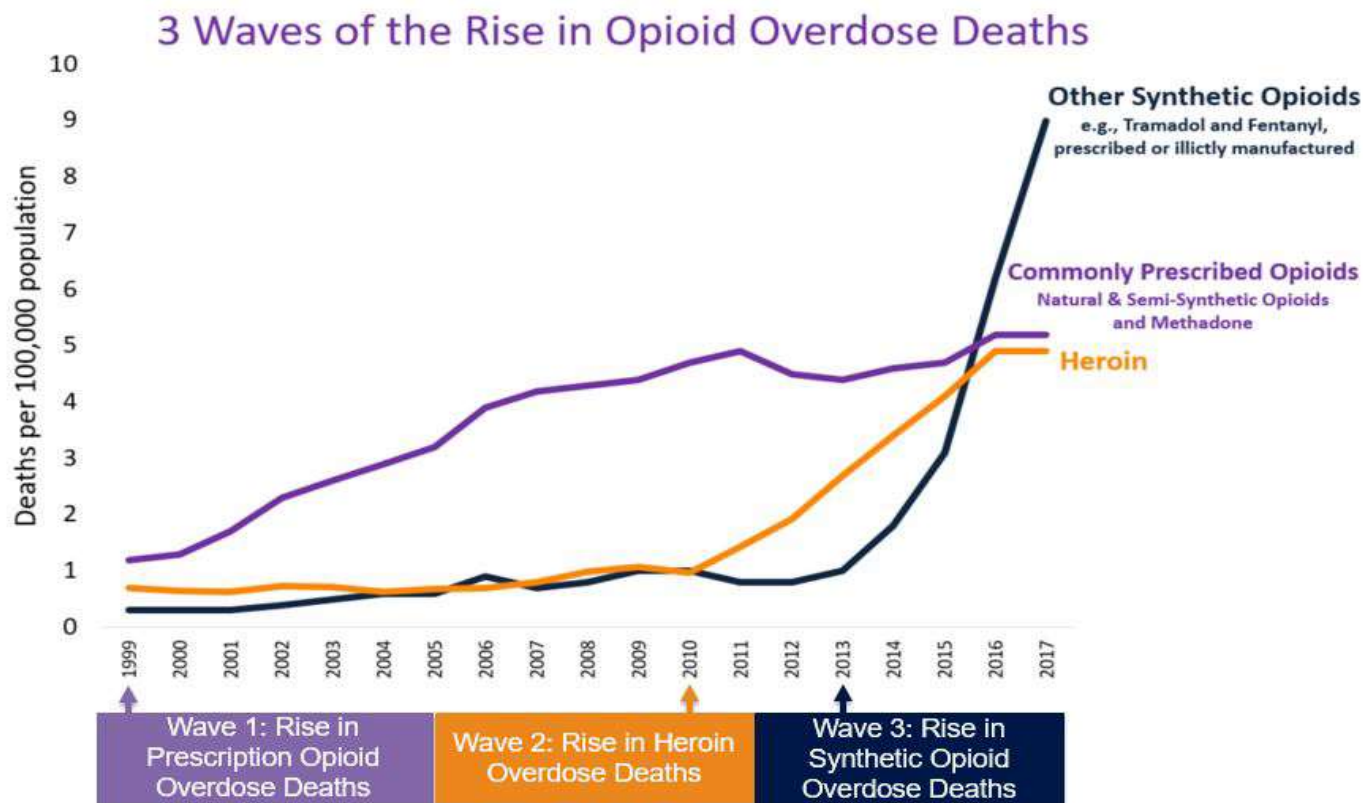
1 2 3 4 5 6 7 8 9 10 ... >>

Program Name	Street	City	State	Zip Code	Phone	Certification	
Serenity Health, LLC	780 W. Bel Air Ave Suite B	Aberdeen	MD	21001	(410) 273-1030	Certified	Map
ARS of Aberdeen LLC	24-26 West Bel Air Ave.	Aberdeen	MD	21001	(410) 272-0230	Certified	Map
WCHS, Inc.	516 East 1st St.	Aberdeen	WA	98520	(877) 774-6565	Provisional	Map
WTCR Abilene, Inc.	212 South Leggett Street	Abilene	TX	79605	(325) 670-9339	Certified	Map
JK2C, LLC	312 SOUTH ACADEMY STREET	AHOSKIE	NC	27910	(757) 848-3478	Provisional	Map
BHG XXXIX, LLC dba BHG Aiken Treatment Center	410 University Parkway	Aiken	SC	29801	(803) 641-6911	Certified	Map
Community Health Center	725 East Market St.	Akron	OH	44305	(330) 434-4141	Certified	Map
Crossroads' Turning Points Inc.	2265 Lava Lane	Alamosa	CO	81101	(719) 589-5176	Certified	Map
Whitney M. Young Jr.	4-10 Davitt St	Albany	NY	12207	(518) 462-3882	Certified	Map

**\$800 million
in grants**



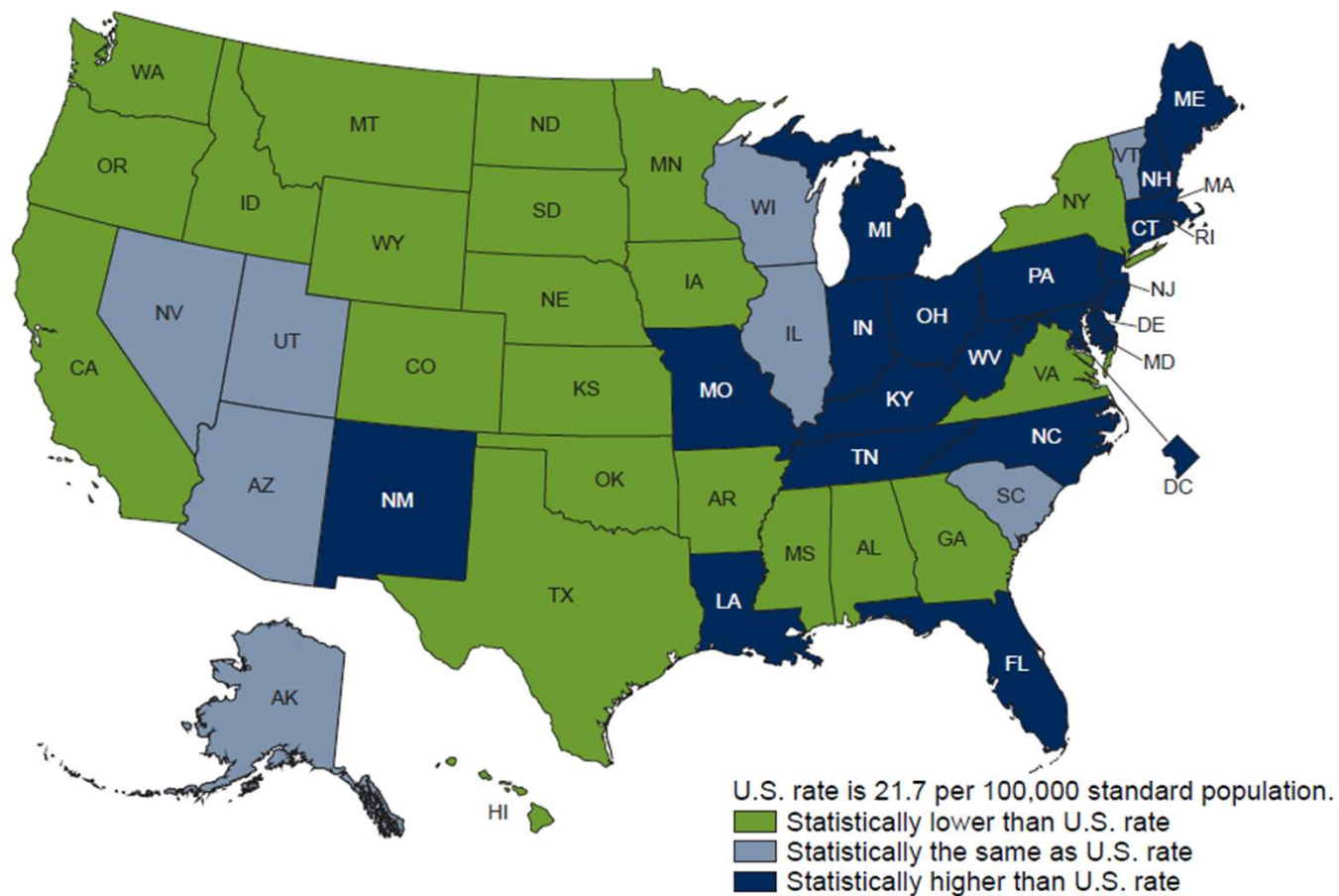
Drug Overdose Death Rates, by Opioid Category



SOURCE: National Vital Statistics System Mortality File.



Drug Overdose Death Rates, by State





Pain Management Options

<https://www.hhs.gov/opioids/prevention/pain-management-options/>

Managing Your Pain: Which Approach is Right for You

- TENS (transcutaneous electrical nerve stimulation) therapy
- Meditation
- Relaxation techniques
- Visual imagery, e.g. picturing a peaceful scene
- Biofeedback, which teaches control over muscle tension, temperature, heart rate and more
- Heat and cold therapy



Reversing Drug: Naloxone

PEEL



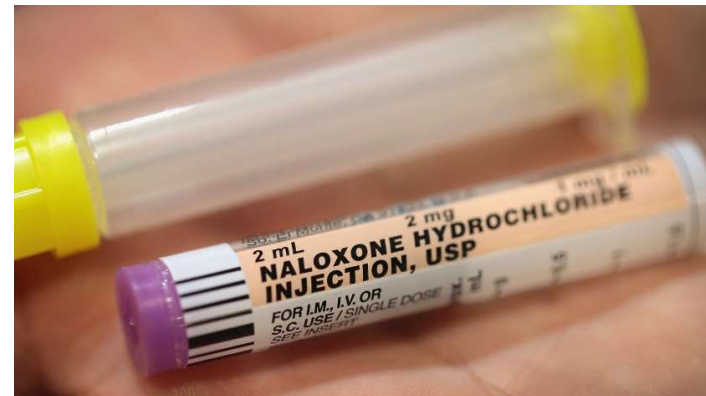
PLACE



PRESS



- Intranasal
- Intramuscular
- Intravenous





Clinical Studies

<https://clinicaltrials.gov/>

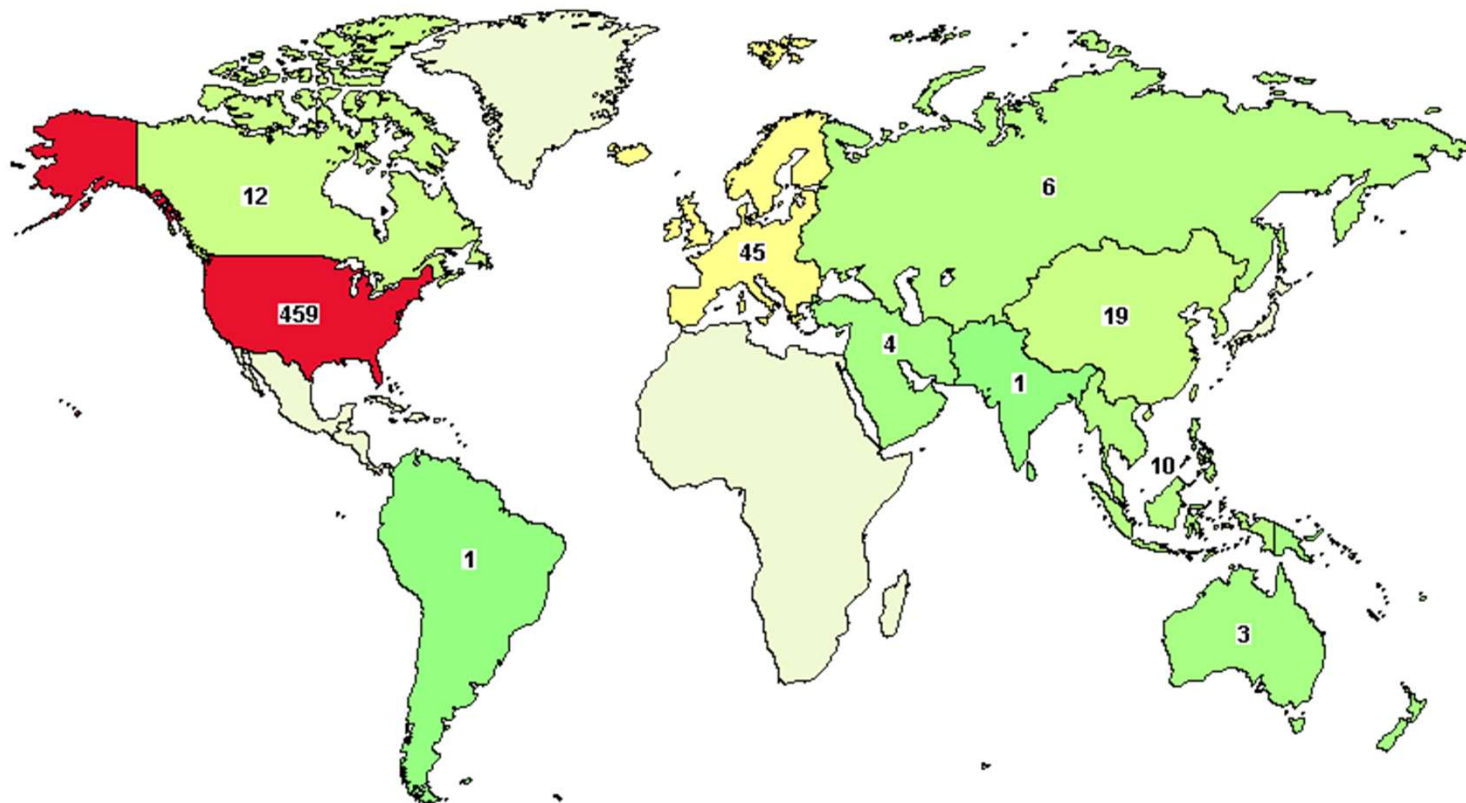
- Status:
 - Recruiting, Enrolling by Invitation, Completed, Completed/Has Results, Terminated, etc.
- Interventions:
 - Opioid Replacement Therapy, Survey, Buprenorphine Drug, Behavioral Methadone Maintenance, Youth Opioid Recovery Support Service Model, etc.

	Title	Status	Study Results	Conditions	Interventions
1	Evaluation of Pharmacy Students' Perception of Opioid / Opiate Dependence	Completed	No Results Available	•Opioid-Related Disorders	•Other: survey
2	Assessment of the Satisfaction of Patient Undergoing Opioid Replacement Therapy Toward Their Management in Community Pharmacy	Recruiting	No Results Available	•Opioid-Related Disorders	•Other: patients undergoing opioid replacement therapy
3	Rapid Opiate Detoxification and Naltrexone Induction Using Buprenorphine - 2	Completed	No Results Available	•Opioid-Related Disorders	•Drug: Buprenorphine
4	Trial of Methadone Maintenance Versus Methadone Detox in Jail	Unknown status	No Results Available	•Opioid-Related Disorders	•Behavioral: Methadone Maintenance •Behavioral: Linkage to methadone maintenance
5	Youth Opioid Recovery Support: Improving Care Systems	Recruiting	No Results Available	•Opioid-Related Disorders	•Behavioral: Youth Opioid Recovery Support service model
6	Feasibility of Deep Brain Stimulation as a Novel Treatment for Refractory Opioid Use Disorder	Recruiting	No Results Available	•Opioid-Related Disorders	•Device: Deep Brain Simulator
7	Trial of Adherence App for Buprenorphine	Recruiting	No Results	•Opioid-Related Disorders	•Behavioral: Video-based DOT

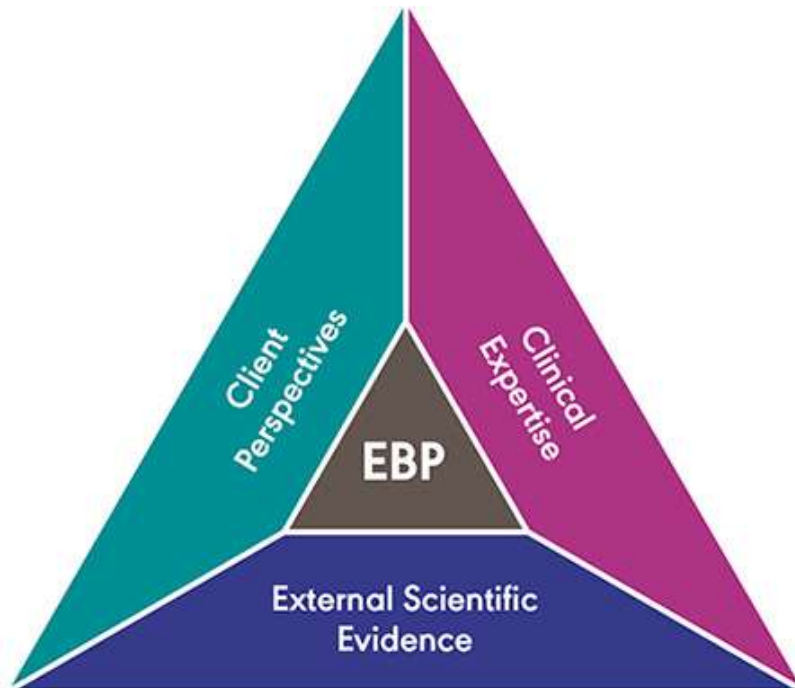


Clinical Studies

<https://clinicaltrials.gov/>



Effective Partnerships



Faith-based and Community Initiatives (FBCI)

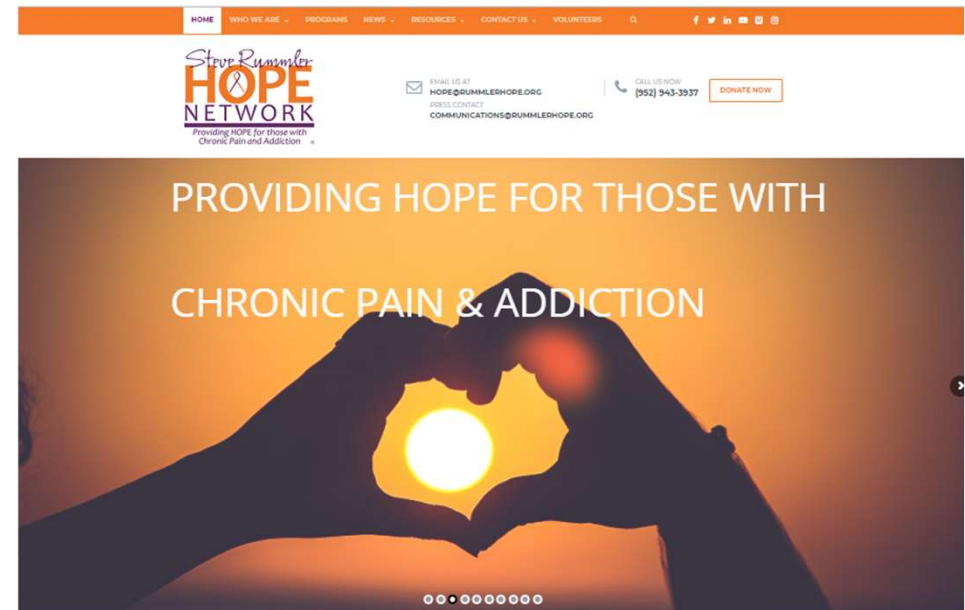
FBCI is a model for how effective partnerships can be created between federal programs and faith-based and community organizations.

Oregon Tri-County Opioid Safety Coalition

Steve Rummler HOPE Network



<https://steverummlerhopenetwork.org/>



Other Initiatives from Victim's Families



So shortly after she passed my wife and I sat down and said, you know, we're going to fulfill her dream of a halfway house.

The City of St. Bonifacius & LMCC Presents:

Community Drug Forum

St. Bonifacius Community Room
8535 Kennedy Memorial Drive
St. Bonifacius, MN

Thursday, May 7th, 2015 - 7:00pm

Sponsored by: Garret Bethke Foundation

Awareness: Voices & Stories for Recovery



JOIN THE VOICES FOR RECOVERY:
TOGETHER WE ARE STRONGER

recoverymonth.gov



Recovery Month

Recovery Month promotes the societal benefits of prevention, treatment, and recovery for mental and substance use disorders;...



Preventing Opioid Misuse and Overdose

Stories and Community Resources

Questions & Discussion

Sau Kha

saukha@gmail.com